

CONNECTICUT
DEPARTMENT
OF
TRANSPORTATION



CONDITION INSPECTION
FOR THE
BEACON FALLS STATION

GENERAL RECOMMENDATION 3

**CONN. DEPT OF TRANSPORTATION
STATION INSPECTION**

INSPECTION RATING SCALE

The following rating scale is used for inspections:

- 1- Totally deteriorated, or in failed condition.
- 2- Serious deterioration, or not functioning as originally designed.
- 3- Minor deterioration, but functioning as originally designed.
- 4- New condition. No deterioration.
- 5- Not applicable.
- 6- Condition and/or existence unknown.

STATION: Beacon Falls
LINE: Waterbury
INSPECTION DATE: 11-17-01
INSPECTION AGENCY / FIRM: UA
INSPECTORS: JFS, WV, RGW
WEATHER: Sunny

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 2 OF 19

PARKING ELEMENTS

QUADRANT # I

TYPE OF SURFACE: asphalt PAVED; _____ GRAVEL; _____ DIRT;
_____ OTHER (DESCRIBE)

CONDITION OF PAVED SURFACE: 3

CONDITION OF STRIPING: 1

CONDITION OF BASIN / DRAINS / ETC: 5
(FOR LOCATION SEE SHEET: _____)

SIGNAGE: 2

FENCE AND GUARDRAIL: 4

LANDSCAPE: 5

SIDEWALK: 5

CURB: 5

QUADRANT # II

TYPE OF SURFACE: _____ PAVED; GRAVEL; _____ DIRT;
_____ OTHER (DESCRIBE)

CONDITION OF PAVED SURFACE: 1

CONDITION OF STRIPING: 5

CONDITION OF BASIN / DRAINS / ETC: 5
(FOR LOCATION SEE SHEET: _____)

SIGNAGE: 5

FENCE AND GUARDRAIL: 4

LANDSCAPE: 2

SIDEWALK: 5

CURB: 5

STATION: Beacon Falls
 LINE: New Haven-Waterbury Branch
 INSPECTION DATE : February 11, 2002
 INSPECTION AGENCY / FIRM: Parsons Brinckerhoff
 INSPECTORS: Jim Connell & Dave Lang
 TIME OF INSPECTION: A.M.
 WEATHER: Cold & Clear

CONN. DEPT OF TRANSPORTATION
 STATION INSPECTION REPORT
 SHEET 3 OF 19

PLATFORM --- LIGHTING

Span Number	Fixture Type	Manufacturer	Model Number	Rating	Support Condition	Estimated Age/Life(y/y)	Visual Condition
n/a	HID-HPS	Holophane	unknown	3	3	6/ 20	minor deterioration

Remarks: A typical section of the platform was measured at the location indicated and found to average
13.6 fc.
The platform relies on a utility pole mounted flood luminaire located in the parking area
to illuminate the platform.

PLATFORM --- LIGHTING LEVELS (fc)

TRACKS----{

see remarks	see remarks	avg 13.6	see remarks	see remarks	see remarks
NORTHBOUND/SOUTHBOUND PLATFORM					

STATION: Beacon Falls
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CONN. DEPT OF TRANSPORTATION
 STATION INSPECTION REPORT
 SHEET 4 OF 19

PLATFORM --- SERVICE

Voltage Rating (V)	120/240	Type of 3 phase connection		Delta	n/a	Wye	n/a
		Method of Entrance		Overhead	n/a	Underground	X
Rating of Main Breaker (A)	100	Origin of Service		Pole	X	Transformer	n/a
		Code Compliant		Yes	X	No	n/a
Quantity of Phases	1	Pole Number & Street	CL&P 7030 Railroad Ave	Wire Sizes	unknown		

Remarks: _____

PLATFORM --- ELECTRICAL SYSTEMS

Electrical Device	Manufacturer	Model Number	Rating	Location	Estimated Age/Life(y/y)	Visual Condition
Main Distribution Panel	Square D	QOC124	3	parking lot	6/ 20	minor deterioration
Main Disconnect Switch	n/a	n/a	n/a	n/a	n/a	n/a
Transformer	n/a	n/a	n/a	n/a	n/a	n/a
Receptacles	unknown	unknown	3	parking lot	6/ 20	minor deterioration
Grounding	unknown	unknown	unknown	unknown	unknown	unknown
Lighting Controls	unknown	unknown	3	parking lot	6/ 20	minor deterioration
Public Telephone	unknown	n/a	n/a	platform	n/a	operational
Station Telephone	n/a	n/a	n/a	n/a	n/a	n/a

Remarks: _____

STATION: Beacon Falls

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 5 OF 19

INSPECTORS: Jim Connell & Dave Lang

DATE: February 11, 2002

STATION PLATFORM --- ELECTRICAL AND LIGHTING SUMMARY

The electrical service is mounted in an outdoor enclosure on the utility pole adjacent to the platform. The enclosure is normally locked, but Metro North Railroad electricians were performing routine maintenance and allowed us access to the panelboard enclosure. The panelboard in the enclosure is in good working condition and is more than adequate for this station platform.

There is one floodlight mounted on the service pole that illuminates the platform. This floodlight maintains 13.6 foot-candles, which is above the minimal platform light levels as recommended by the IESNA.

STATION: Beacon Falls

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 7 OF 19

INSPECTORS: D. Lang DATE: Feburary 11, 2002

STATION -- MECHANICAL SUMMARY

There are two small shelters with plastic curbed roofs. There are no gutters or downspouts.
There is no maintenance required.

STATION: Waterbury
 LINE: New Haven-Waterbury Branch
 INSPECTION DATE: April 3, 2002
 INSPECTION AGENCY/FIRM: Warren & Panzer Engineers
 INSPECTOR: Josue Garcia/Bosun Ogunnaike
 WEATHER: Good

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 STATION INSPECTION REPORT
 SHEET 8 of 19

HAZARDOUS MATERIALS INSPECTION

LEAD-BASED PAINT

Note: The LBP inspection was conducted using an RMD LPA-1 spectrum X-Ray Fluorescence Analyzer (XRF). The Department of Housing and Urban Development (HUD) recommend XRF analysis for inspection of lead in paint. XRF readings were taken of surfaces coated with suspect LBP. The XRF was operated in "Quick Mode" for this project. In Quick Mode, the measurement time is determined by the LPA-1 Analyzer to achieve a 95% confidence measurement compared to an action level (1.0 mg/cm2).

Platform

Surfaces Tested	# of Locations Tested	Lead Presence (>1 mg/cm2)	Rating
Canopy Columns	1	No	4
Gutter	2	No	3
Canopy Deck	1	No	3
Telephone Booth	2	No	3
Platform Warning Strip	4	No	3
Canopy Beams	2	No	4

SUSPECT ASBESTOS-CONTAINING MATERIALS

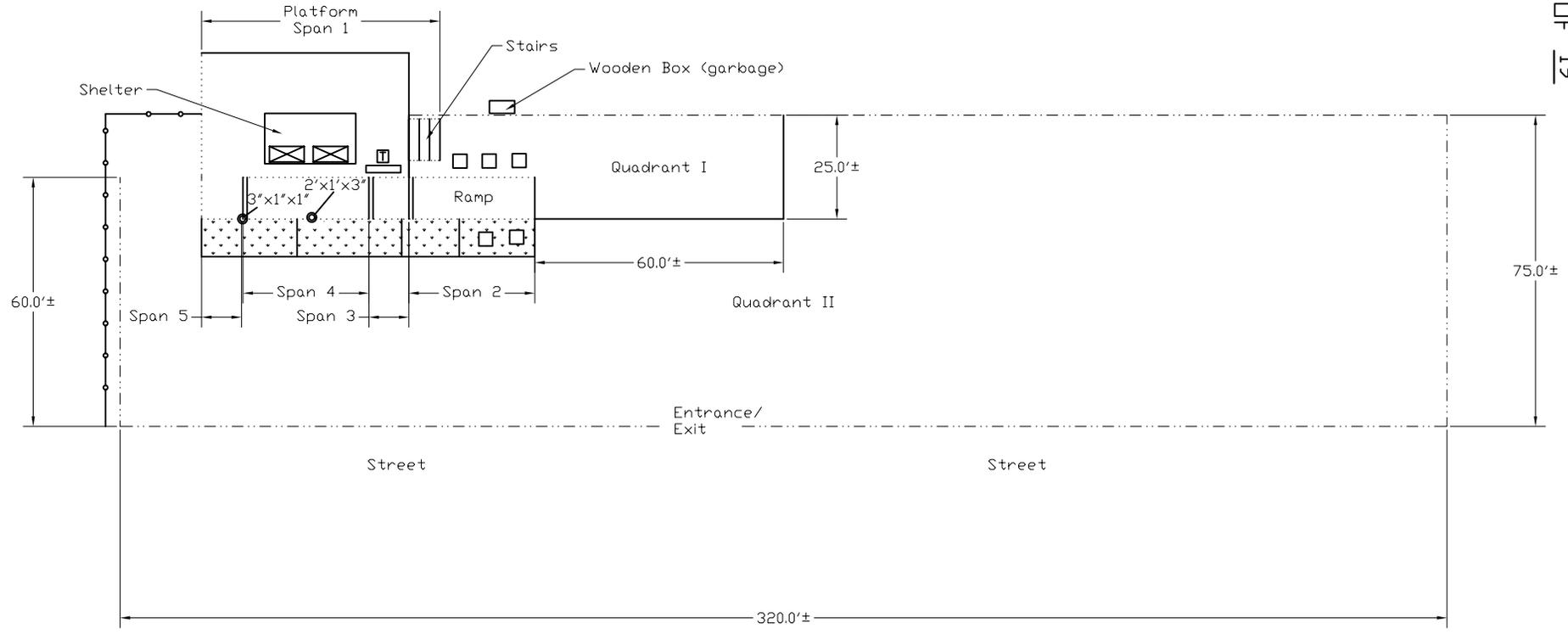
Listed below are suspect asbestos-containing materials that were observed during a visual inspection. Materials were found to be in good to fair condition. Any future disturbance of these materials should be preceded by the collection of samples and laboratory analysis of these samples. This work must be performed by a certified inspector.

Platform

Suspect Materials	Rating
Platform Seam Caulking	3

N ←

☐ of Tracks



- Legend:
- Fence
 - · · · · · Guard Railing
 - · · · · · Pedestrian Railing
 - / / / / / Cracks
 - ▒ Grass
 - Spalled concrete
 - Joint
 - ▭ Sign
 - ▣ Bench
 - ▣ Trash
 - ▣ Planters

- NOTES:
1. The riding surface in Quadrant I is asphalt pavement.
 2. The riding surface in Quadrant II is gravel.
 3. The entire pedestrian railing is rusted.

Urbitran Associates, Inc.
Connecticut Dept. of Transportation
Beacon Falls Station General Plan
Date: 11-19-01

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STATION INSPECTION REPORT
SHEET 11 OF 19

PHOTO NO. 1

Location: _____
West of the platform

Description: _____
General view of the platform

Reference: _____
Looking east



PHOTO NO. 2

Location: _____
South of the platform

Description: _____
General view of the platform

Reference: _____
Looking north



STATION: Beacon Falls
INSPECTORS: JFS, WV, RGW

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STATION INSPECTION REPORT
SHEET 12 OF 19

PHOTO NO. 3

Location: _____
North end of the parking
lot

Description: _____
General view of the
parking lot
Note the vegetation
growth in the gravel lot

Reference: _____
Looking south



PHOTO NO. 4

Location: _____
South end of the parking
lot

Description: _____
General view of the
parking lot
Note the vegetation
growth in the gravel lot

Reference: _____
Looking north



STATION: Beacon Falls
INSPECTORS: JFS, WV, RGW

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STATION INSPECTION REPORT
SHEET 13 OF 19

PHOTO NO. 5

Location: Northwest of Quad I

Description: General view of Quad I with faded striping and missing handicap sign

Reference: Looking southeast



PHOTO NO. 6

Location: Southend of the platform

Description: The railing is rusted which is typical throughout the platform

Reference: Looking west



STATION: Beacon Falls
INSPECTORS: JFS, WV, RGW

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STATION INSPECTION REPORT
SHEET 14 OF 19

PHOTO NO. 7

Location: _____
West of the platform

Description: _____
An area (2'x1'x3') of the
concrete ramp in span
IV is spalled

Reference: _____
Looking east



PHOTO NO. 8

Location: _____
West of the platform

Description: _____
In addition to the miss-
ing joint filler material in
Span IV adjacent to the
joint is spalled

Reference: _____
Looking east



STATION: _____
INSPECTORS: JFS, WV, RGW

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STATION INSPECTION REPORT
SHEET 15 OF 19

PHOTO NO. 9

Location: Middle of the platform

Description: A section of the sign text is missing

Reference: Looking west



PHOTO NO. 10

Location: Middle of Quad I

Description: Typical crack in Quad I

Reference: Looking down and south



STATION: Beacon Falls
INSPECTORS: JFS, WV, RGW

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 16 OF 19

PHOTO NO. 11

Location:
platform

Description:
over all view of the platform

Reference:
Electrical Systems Section



PHOTO NO. 12

Location:
parking lot

Description:
electrical service enclosure

Reference:
Platform Service Section



STATION: Beacon Falls
INSPECTORS: Jim Connell & Dave Lang

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STATION INSPECTION REPORT
SHEET 17 OF 19

PHOTO NO. 13

Location:
parking lot

Description:
platform lighting
and speakers

Reference:
Platform Lighting
Section



STATION: Beacon Falls

INSPECTORS: Jim Connell & Dave Lang

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STATION INSPECTION REPORT
SHEET 18 OF 19

PHOTO NO. 14

Location:
BEACON FALLS
STATION

Description:
Platform shelter

Reference:
Mechanical



PHOTO NO. 15

Location:
BEACON FALLS
STATION

Description:
Platform shelter

Reference:
Mechanical



STATION: BEACON FALLS

INSPECTORS: D. Lang

Beacon Falls Station

Description	Units	Quantity	Price / Unit	Total Cost
Replace asphalt pavement				
-Remove asphalt	yd ³	61.00	\$30.00	\$1,830.00
-Remove dirt and gravel	yd ³	843.00	\$30.00	\$25,290.00
-6" asphalt top course and binder course	yd ²	2500.00	\$25.00	\$62,500.00
-7" aggregate base	yd ³	904.00	\$20.00	\$18,080.00
Paint Railing	ft	230.00	\$9.00	\$2,070.00
Repair spalled Concrete	ft ²	2.00	\$40.00	\$80.00
Repair expansion joint	ft	15.00	\$9.00	\$135.00
Mobilization / Demobilization (10%)				\$10,998.50
Sub-total				\$120,983.50
Contingency (20%)				\$24,196.70
Grand Total				\$145,180.20
Say				\$146,000.00